

Form PTO-1449 (modified)

Atty. Docket No.
2027.547096/RFESerial No.
10/068,134

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant
DANILO PORRO ET AL.Filing Date:
February 6, 2002Group:
1652U.S. Patent Documents
See Page 1Foreign Patent Documents
See Page 1Other Art
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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
KL	A1	6,320,077 B1	11/20/2001	Eyal et al.	562	589	08/12/1998
	A2	duplicate					
	A3						
	A4						
	A5						

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						
	B3						

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	
	C2	
	C3	

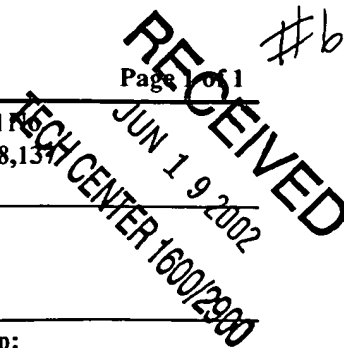
EXAMINER:

DATE CONSIDERED:

12/17/03

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)



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Form PTO-1449 (modified)		Atty. Docket No. 2027.547000/RFE	Serial No.
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant DANILO PORRO	
		Filing Date: March 7, 2000	Group:
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U.S. PTO
10/068137
02/06/02

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1						
	A2						
	A3						

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
KK	B1	WO94/00554	01/06/94	PCT			
KK	B2	WO94/01569	01/20/94	PCT			
	B3						
	B4						
	B5						

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
KK	C1	Porro et al., "Development of Metabolically Engineered <i>Saccharomyces cerevisiae</i> Cells for the Production of Lactic Acid," <i>Biotechnology Progress</i> 11:294-298 (1995)
KK	C2	"Production of Pyruvic Acid by Fermentation—Comprises Culturing Mutant of <i>Torulopsis</i> with Reduced Pyruvate Decarboxylase Activity," Derwent Publications Ltd., Abstract No. J63258586
↓	C3	Davis et al., "A Yeast Cyclophilin Gene Essential for Lactate Metabolism at High Temperature," <i>Proceedings of the National Academy of Sciences of USA</i> 89:11169-11173 (1992)
KK	C4	Stewart, "A Chemist's Perspective on the Use of Genetically Engineered Microbes as Reagents for Organic Synthesis," <i>Biotechnology and Genetic Engineering Reviews</i> 14:67-143 (1997)
	C5	

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Form PTO-1449 (modified)

Atty. Docket No.
2027.547000/RFE

Serial No.
09/508,277

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DANILO PORRO ET AL.

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Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
KK	C5	GenBank Accession Number M76708. L. casei lactate dehydrogenase (ldg) gene, complete cds. Created October 23, 1991.
	C6	GenBank Accession Number M22305. B. megaterium L-lactate dehydrogenase gene. Created September 15, 1990.
	C7	GenBank Accession Number M19396. B.stearothermophilus lactate dehydrogenase (LDH) gene, complete cds. Created September 15, 1990.
	C8	GenBank Accession Number AF023920. Kluyveromyces lactis pyruvate dehydrogenase complex E1-alpha subunit (PDA1) gene, complete cds. Created October 24, 1997.
	C9	GenBank Accession Number U24155. Saccharomyces cerevisiae carboxylic acid transporter protein homolog (JEN1) gene, complete cds. Created April 26, 1995.

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Form PTO-1449 (modified) List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Atty. Docket No. 2027.547000/RFE	Serial No. 09/508,277
	Applicant DANILO PORRO ET AL.	
	Filing Date: March 7, 2000	Group: 1652

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	B5						

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C5	"L. casei lactate dehydrogenase (ldh) gene, complete cds," NCBI Sequence Viewer, World Wide Web at http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=Nucleotide&list_uids=149574&dopt=GenBank (July 18, 1997)
	C6	"B. megaterium L-lactate dehydrogenase gene," NCBI Sequence Viewer, World Wide Web at http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=Nucleotide&list_uids=143135&dopt=GenBank (July 18, 1997)
	C7	"B. stearothermophilus lactate dehydrogenase (LDH) gene, complete cds," NCBI Sequence Viewer, World Wide Web at http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=Nucleotide&list_uids=143137&dopt=GenBank (July 18, 1997)
	C8	"Kluyveromyces lactis pyruvate dehydrogenase complex E1-alpha subunit (PDA1) gene, complete cds," NCBI Sequence Viewer, World Wide Web at http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=Nucleotide&list_uids=2558902&dopt=GenBank (July 18, 1997)

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Exam. Init.	Ref. Des.	Citation
	C9	" Saccharomyces cerevisiae carboxylic acid transporter protein homolog (JEN1) gene, complete cds," NCBI Sequence Viewer, <i>World Wide Web</i> at http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=Nucleotide&list_uids=780801&dopt=GenBank (July 18, 1997) <i>dupl.</i>
<i>KK</i>	C10	Davis, E. S. et al., "A yeast cyclophilin gene essential for lactate metabolism at high temperature," In: <i>Proc. Natl. Acad. Sci. U. S. A.</i> , 89 (23), pp. 11169-11173, 1992. <i>duplicate</i>
<i>KK</i>	C11	Zeeman, A. M. et al., "Inactivation of the Kluyveromyces lactis KIPDA1 gene leads to loss of pyruvate dehydrogenase activity, impairs growth on glucose and triggers aerobic alcoholic fermentation," In: <i>Microbiology</i> 144, (Pt 12), pp. 3437-3446, 1998.
<i>KK</i>	C12	Züllig, F. et al., " Nucleotide sequences of lactate dehydrogenase genes from the thermophilic bacteria Bacillus stearothermophilus, B. caldolyticus and B. caldotenax," In: <i>Biol. Chem., Hoppe-Seyler</i> , 368, pp. 1167-1177, 1987.
<i>KK</i>	C13	Waldvogel, S. et al., " Nucleotide sequence of the L-lactate dehydrogenase gene from the mesophilic bacterium B. megaterium. Preparation and properties of a hybrid lactate dehydrogenase comprising moieties of the B. megaterium and B. stearothermophilus enzymes," In: <i>Biol. Chem., Hoppe-Seyler</i> , 368, pp. 1391-1399, 1987.
<i>KK</i>	C14	Kim, S.F., et al., "Cloning and nucleotide sequence of the Lactobacillus casei lactate dehydrogenase gene," In: <i>Appl. Environ. Microbiol.</i> , 57, pp. 2413-2417, 1991.
	C15	

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